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OXC - 4179
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20 November 1962

MEMORANDUM FOR : Chief, Development Division, OSA-DD/R
SUBJECT : Visit to David Clark Co.

1. On 16 November 1962 six flotation and raft boarding tests were performed at the YMCA swimming pool by the undersigned. Purpose of these tests was to determine the flotation qualities, comfort and raft boarding ease of a redesigned flotation configuration. Three different sizes of inflation cylinders were used. These included the eighteen gram, twenty-four gram, and thirty-one gram cylinders.

2. Although the thirty-one gram cylinder produces a rather uncomfortable pressure on a man's body, it is the only one of the three tested that gave adequate flotation. It was possible to board the raft with relative ease when using this cylinder.

3. Two recommendations will be incorporated in future garments; these are (1) use of the thirty-one gram cylinder, and (2) increase the size of the oral inflation tube mouth and improve method of its storage.

4. The configuration with above recommendations incorporated, will be jump tested in water at a later date.

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Distribution:

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DD/OSA

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